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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/692,959 |
| | | | | Filing Date | October 24, 2003 |
| | | | | First Named Inventor | Ronald L. Mahany |
| | | | | Group Art Unit | |
| | | | | Examiner Name | Vu, Huy Duy |
| | | | | Attorney Docket Number | 14407US02 |
| Sheet | 1 | of | 6 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initial* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | A1 | 2,942,072 | 06-21-1960 | Cunningham | |
| | A2 | 3,586,977 | 06-22-1971 | Lustig | |
| | A3 | 3,826,900 | 07-30-1974 | Moellering | |
| | A4 | 3,876,863 | 04-08-1975 | Boone | |
| | A5 | 3,908,088 | 09-23-1975 | Gutleber | |
| | A6 | 4,004,098 | 01-18-1977 | Shimasaki | |
| | A7 | 4,004,225 | 01-18-1977 | Ganssmantel | |
| | A8 | 4,025,734 | 05-24-1977 | Aloupis | |
| | A9 | 4,054,753 | 10-18-1977 | Kaul et al. | |
| | A10 | 4,116,237 | 09-26-1978 | Birch | |
| | A11 | 4,251,865 | 02-17-1981 | Moore et al. | |
| | A12 | 4,301,530 | 11-17-1981 | Gutleber | |
| | A13 | 4,367,378 | 01-04-1983 | Jordan | |
| | A14 | 4,415,065 | 11-15-1983 | Sandstedt | |
| | A15 | 4,418,277 | 11-29-1983 | Tremmel et al. | |
| | A16 | 4,460,120 | 07-17-1984 | Shepard et al. | |
| | A17 | 4,471,218 | 09-11-1984 | Culp | |
| | A18 | 4,513,447 | 04-23-1985 | Carson | |
| | A19 | 4,539,706 | 09-03-1985 | Mears et al. | |
| | A20 | 4,549,264 | 10-22-1985 | Carroll et al. | |
| | A21 | 4,549,293 | 10-22-1985 | Christian | |
| | A22 | 4,553,262 | 11-12-1985 | Coe | |
| | A23 | 4,606,044 | 08-12-1986 | Kudo | |
| | A24 | 4,639,914 | 01-27-1987 | Winters | |
| | A25 | 4,672,658 | 06-09-1987 | Kavehrad et al. | |
| | A26 | 4,677,657 | 06-30-1987 | Nagata et al. | |
| | A27 | 4,697,243 | 09-29-1987 | Moore et al. | |
| | A28 | 4,745,632 | 05-17-1988 | Duffy | |
| | A29 | 4,773,032 | 09-20-1988 | Uehara et al. | |
| | A30 | 4,775,928 | 10-04-1988 | Kendall et al. | |
| | A31 | 4,789,983 | 12-06-1988 | Acampora et al. | |
| | A32 | 4,833,726 | 05-23-1989 | Shinoda et al. | |
| | A33 | 4,850,006 | 07-18-1989 | Sasaki et al. | |

| | | | |
|-----------------------|--|-----------------|--|
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|-------------------|-----------------------|---|--------------------------------|--|---|
| | | Number-Kind Code ² (If known) | | | |
| | A34 | 4,857,716 | 08-15-1989 | Gombrich et al. | |
| | A35 | 4,906,989 | 03-06-1990 | Kasugai | |
| | A36 | 4,916,441 | 04-10-1990 | Gombrich | |
| | A37 | 4,924,461 | 05-08-1990 | Amamiya et al. | |
| | A38 | 4,945,532 | 07-31-1990 | Hald | |
| | A39 | 4,955,038 | 09-04-1990 | Lee et al. | |
| | A40 | 4,972,456 | 11-20-1990 | Kaczmarek et al. | |
| | A41 | 5,006,699 | 04-09-1991 | Felkner et al. | |
| | A42 | 5,006,996 | 04-09-1991 | Nakamura et al. | |
| | A43 | 5,007,050 | 04-09-1991 | Kasprian et al. | |
| | A44 | 5,008,953 | 04-16-1991 | Dahlin et al. | |
| | A45 | 5,020,135 | 05-28-1991 | Kasprian et al. | |
| | A46 | 5,023,824 | 06-11-1991 | Chadima, Jr. et al. | |
| | A47 | 5,025,486 | 06-18-1991 | Klughart | |
| | A48 | 5,029,183 | 07-02-1991 | Tymes | |
| | A49 | 5,029,232 | 07-02-1991 | Nall | |
| | A50 | 5,031,098 | 07-09-1991 | Miller et al. | |
| | A51 | 5,042,082 | 08-20-1991 | Dahlin | |
| | A52 | 5,044,010 | 08-27-1991 | Frenkiel et al. | |
| | A53 | 5,046,066 | 09-03-1991 | Messenger | |
| | A54 | 5,090,054 | 02-25-1992 | Grilliot et al. | |
| | A55 | 5,103,448 | 04-07-1992 | Barnes et al. | |
| | A56 | 5,142,700 | 08-25-1992 | Reed | |
| | A57 | 5,157,187 | 10-20-1992 | Le et al. | |
| | A58 | 5,157,687 | 10-20-1992 | Tymes | |
| | A59 | 5,179,721 | 01-12-1993 | Comroe et al. | |
| | A60 | 5,187,646 | 02-16-1993 | Koch | |
| | A61 | 5,189,291 | 02-23-1993 | Siemiatkowski | |
| | A62 | 5,208,449 | 05-04-1993 | Eastman et al. | |
| | A63 | 5,218,187 | 06-08-1993 | Koenck et al. | |
| | A64 | 5,220,564 | 06-15-1993 | Tuch et al. | |
| | A65 | 5,220,678 | 06-15-1993 | Feei | |
| | A66 | 5,227,614 | 07-13-1993 | Danielson et al. | |
| | A67 | 5,239,622 | 08-24-1993 | Best et al. | |
| | A68 | 5,241,542 | 08-31-1993 | Natarajan et al. | |
| | A69 | 5,272,324 | 12-21-1993 | Blevins | |

EXAMINER

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|-------------------|-----------------------|--|--------------------------------|--|---|
| | A70 | 5,276,686 | 01-04-1994 | Ito | |
| | A71 | 5,276,918 | 01-04-1994 | Cornforth et al. | |
| | A72 | 5,289,378 | 02-22-1994 | Miller et al. | |
| | A73 | 5,295,154 | 03-15-1994 | Meier et al. | |
| | A74 | 5,335,356 | 08-02-1994 | Anderson | |
| | A75 | 5,339,316 | 08-16-1994 | Diepstraten | |
| | A76 | 5,349,678 | 09-20-1994 | Morris | |
| | A77 | 5,375,163 | 12-20-1994 | Kamimot et al. | |
| | A78 | 5,389,917 | 02-14-1995 | LaManna | |
| | A79 | 5,404,577 | 04-04-1995 | Zuckerman | |
| | A80 | 5,422,934 | 06-06-1995 | Massa | |
| | A81 | 5,602,854 | 02-11-1997 | Luse et al. | |
| | A82 | 5,657,317 | 08-12-1997 | Mahany et al. | |
| | A83 | 5,748,619 | 05-05-1998 | Meier | |
| | A84 | 5,797,099 | 08-18-1998 | Ejzak et al. | |
| | A85 | 6,006,100 | 12-21-1999 | Koenck et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
| | B1 | AU 632055 | 12-17-1992 | Mahany et al. | | |
| | B2 | AU B-83262/91 (641541B2) | 08-03-1989 | Mahany et al. | | |
| | B3 | AU A-80350/91 | 01-16-1992 | Zuckerman et al. | | |
| | B4 | AU B-80350/91 | 01-16-1992 | Zuckerman et al. | | |
| | B5 | BE 1002234 | 10-30-1990 | Schultz et al. | | X |
| | B6 | CA 1,316,218 | 04-13-1993 | Mahany et al. | | |
| | B7 | CA 2,045,241 | 01-14-1992 | Zuckerman et al. | | |
| | B8 | EP 0 280 543 A2 | 08-31-1988 | Kasugal | | |
| | B9 | EP 0 465 971 A2 | 01-15-1992 | Zuckerman et al. | | |
| | B10 | ES 2 014 740 | 07-16-1990 | Schultz et al. | | X |
| | B11 | GB 2 196 766 A | 05-1988 | Pitayanukul et al. | | |
| | B12 | GB 2 221 426 A | 02-17-1993 | Mahany et al. | | |
| | B13 | GB 2 223 914 A | 04-18-1990 | Mahany et al. | | |
| | B14 | GB 2 223 914 B | 11-18-1992 | Mahany et al. | | |
| | B15 | IT 1230308 | 10-18-1991 | Schultz et al. | | X |

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| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | B16 | JP 61-196364 | 08-1986 | Takeshi | | |
| | B17 | JP 63-27969 | 02-1988 | Ohkawara et al. | | |
| | B18 | MX PA/a/1991/000168 | 07-11-1991 | Zuckerman et al. | | |
| | B19 | PCT WO88/08649 | 11-1988 | MacNak et al. | | |
| | B20 | PCT WO92/02084 | 02-06-1992 | Koenck et al. | | |
| | B21 | PCT WO94/15413 | 07-07-1994 | Mahany et al. | | |

| OTHER ART -- NON PATENT LITERATURE DOCUMENTS | | |
|--|-----------------------|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
| | C1 | Respondent Qualcomm Incorporated's Notice Of Prior Art, with Exhibit B attached thereto |
| | C2 | Qualcomm's Response To Interrogatory 3, with Exhibit A attached thereto |
| | C3 | SCHMID, "Lunar Far-Side Communication Satellites", Goddard Space Flight Center, NASA TN D-4509, 06/12/1968, pp. 1-19 |
| | C4 | BARR, "Apollo Communications Configuration Handbook", NASA Manned Space Flight System, EB69-3701, 02/24/1969 |
| | C5 | CONSTANTINO, "Mobile Communication-Channel Modelling", British Telecommunications Engineering, 08/1990, Vol. 9, pp. 84-85 |
| | C7 | DAVEY, "Data Preparation And Transmission In The Royal Air force Integrated Supply System", The Computer Journal, 01/1964, Vol. 6, pp. 219-222 |
| | C8 | DAVIS, "Man-In-Space Communications Subsystem", The LEM Program At RCA - Twelve Technical Papers By RCA Scientists And Engineers, 1966, pp. 21-29 |
| | C9 | LEUNG, "Diversity Interconnection Of Wireless Terminals To Local Area Networks Via Radio Bridges", Electronics Letters, 02/27/1992, Vol. 28, No. 5, pp. 489-490 |
| | C10 | LEUNG, "Internetworking Wireless Terminals To Local Area Networks Via Radio Bridges", IWC 1992, IEEE, 1992, pp. 126-129 |
| | C11 | LINDSEY, "Lunar Surface Transmission Loss For The Apollo Astronaut", NASA Technical Note, NASA TN D-4915, 12/1968, pp. 1-25 |
| | C12 | MURPHY, Interactions Between Terminal Mobility And Personal Mobility, 2 nd International Conference On Universal Personal Communications - Conference Record Volume I, IEEE, 1993, pp. 198-201 |
| | C15 | Proceedings Of The Apollo Unified S-Band Technical Conference, Goddard Space Flight Center/NASA, 07/14-15/1965, pp. 1-302 |

| | |
|----------|-----------------|
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| OTHER ART -- NON PATENT LITERATURE DOCUMENTS | | |
|--|-----------------------|--|
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| | C16 | RUBIN, "Performance Of Double-Tier Access-Control Schemes Using A Polling Backbone For Metropolitan And Interconnected Communication Networks", IEEE Journal On Selected Areas In Communications, 1993, Vol. SAC-5, No. 9, pp. 34-39 |
| | C17 | SANDERSON, "Watch - A Low-Cost, Secure-Item Monitoring System", 1987, pp. 310-315 |
| | C19 | SCHILIT, "The PARCTAB Mobile Computing System", 1993 IEEE, 1993, pp. 34-39 |
| | C21 | "GE Mobile Radio MASTR® Executive II Vehicular Repeater Maintenance Manual LBI 32572A, Two-Way FM Radio Vehicular Repeater", General Electric, 1974-1975, pp. 1-12 |
| | C22 | "RCA & Apollo 15", RCA Government Engineering, Thirteen Technical Papers By RCA Engineers And Scientists, RCA Government Engineering, 1972, pp. 24-25 |
| | C23 | "RCA 'Radar Eyes,' Advanced Electronics To Help Apollo 11 Astronauts Land On Moon", RCA News, Special Apollo Edition, 07/1969 |
| | C24 | "Special Report: Communications On The Moon", Electronics World, 08/1969, pp. 23-25 and 56-67 |
| | C25 | Trucking Firm Uses Mobile-Radio Data Terminals To Communicate between Drivers And Dispatchers, Communications News, 08/1968, Vol. 23, No. 8, p. 39(1) |
| | C26 | GOODMAN, "Wireless Personal Communication Systems", 1997 |
| | C27 | Press Information: Space Shuttle Transportation System, Rockwell International, 08/1981, pp. 1-463, esp. Ch. 17 |
| | C29 | IEEE Standard Dictionary of Electrical & Electronics Terms - 3 rd Edition, pp. 539, 847, 08/10/1984 |
| | C30 | IEEE Standard Dictionary of Electrical & Electronics Terms - 5 th Edition, pp. 779, 780, 1234, 1235 |
| | C36 | Specifications of the Bluetooth System, CORE, Specification Vol. 1, Version 1.1, 02/22/2001 |
| | C39 | Profile Test Specification, Test Suite Structure (TS) and Test Purposes (TP) for Hands-Free Profile |
| | C43 | Order #1, Protective Order, 06/21/2005 |
| | C44 | Newton's Telecom Dictionary, 1993 |
| | C54 | DARLING, "Real-Time Mobile RF Terminals Boost Inventory Efficiency", Pulp & Paper, 04/1990, pp. 188-190 |
| | C55 | O'BRIEN, The Invaluable "Walkie-Talkie": Is The Portable Unit An Underestimated Asset For Fire Service Communications?, Fire Engineering, 11/1956, pp. 1060-1062 |
| | C56 | OLSEN et al., "Apollo Experience Report: Command And Service Module Controls And Displays Subsystem", NAS 1.14:D-8301, 1979, pp. 1-21 |

| | |
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| | C57 | SCARINGE, Real-Time Data Collection Via Mobile Wireless Computer Terminals, Advance Manufacturing Systems: Proceedings Of The AMS '86 Exposition And Conference, 06/24/1986-06/26/1986, pp. 745-749 |

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